

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 August 2004 (19.08.2004)

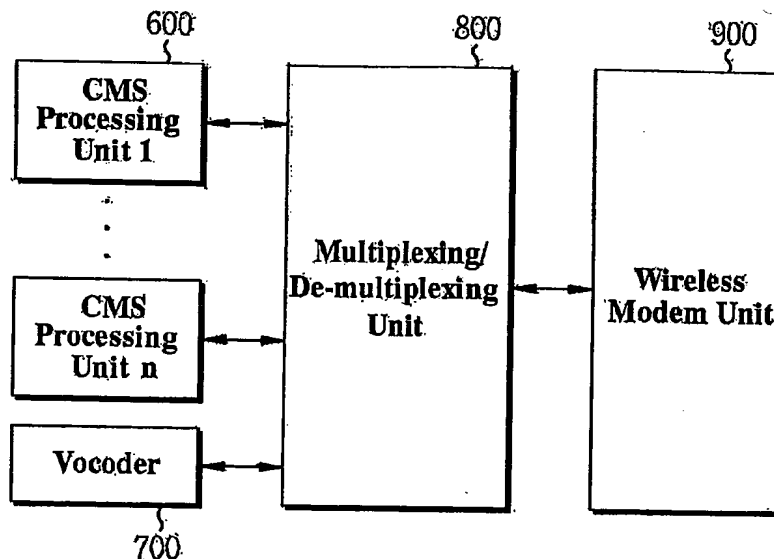
PCT

(10) International Publication Number
WO 2004/071124 A1

- (51) International Patent Classification⁷: H04Q 7/38 (74) Agent: KIM, Inhan; 5F, Daerim B/D, #1695-4, Seocho-dong, Seocho-gu, Seoul 137-883 (KR).
- (21) International Application Number: PCT/KR2004/000214 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 5 February 2004 (05.02.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:
10-2003-0007105 5 February 2003 (05.02.2003) KR
- (71) Applicant (for all designated States except US): MIRA-COM TECHNOLOGY CO., LTD. [KR/KR]; #605, Mido Plaza, 158, Keumgok-dong, Bundang-gu, Seongnam, Gyeonggi-do 463-805 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PARK, Nohee [KR/KR]; 403-1405 Geumhwa maeul, Sanggal-ri, Giheung-eup, Yongin, Gyeonggi-do 449-956 (KR). CHA, Wonjae [KR/KR]; 108-1102 Jangmi maeul, 331, Yatap-dong, Bundang-gu, Seongnam, Gyeonggi-do 463-788 (KR).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: A MOBILE EQUIPMENT FOR PROVIDING A FEW OF SERVICES AT A SAME TRAFFIC CHANNEL



(57) Abstract: Provided is a mobile terminal used for a mobile communication system simultaneously providing multiple services through a wireless traffic channel by multiplexing/de-multiplexing the multiple services and a method thereof, and more particularly, to a mobile terminal used for a mobile communication system simultaneously providing multiple services through a wireless traffic channel by implementing an optimal wireless channel connection using voice vocoding transmission, variable rate voice coding vocoder in order to reduce interference. Accordingly, since multiple services are simultaneously transmitted or received, it is possible to easily provide value-added services.